



Dart Aerospace Ltd.
1270 Aberdeen St
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K6A 1K7
Canada

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HT-500-CWA
Job Sheet 197289



Part No: HT-500-CWA

Job Qty: 2 pcs

Part Name: Series 500 Compressor Wash System with Auxiliary Air Tank



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 7/4/19

Job Tracking No:

Due Date: 9/2/19

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG HT-500-CWA Rev. 10 IPP Rev. A 18.05.10 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Hrs	Run Hrs	Workcenter/Supplier	Sign-off
100	Purchasing	DAS 2 pcs	9/2/19	0.00	0.00		Purchasing - 1	
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	2 pcs	9/2/19	0.00	0.00		Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	
							Packaging 2 - 28 - B4B	



Container No: S212699



Part: HT - 500 - CWA

Job No: 197289

Serial No/Batch: S212699

Revision: 10

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
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CANADA
TEL.: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 09/11/19

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					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
120 QC 6	2 pcs	9/2/19	0.00	0.00	QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
					QC 6 - 40	
121 Small Fab - 2 - B4B	2 pcs	9/2/19	0.00	0.20	Small Fab - 1 - B4B	
					Small Fab - 2 - B4B	
					Small Fab - 3 - B4B	
					Small Fab - 4 - B4B	
					Small Fab - 5 - B4B	
					Small Fab - 6 - B4B	
					Small Fab - 7 - B4B	
122 QC 5	2 pcs	9/2/19	0.00	0.00	QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	
					QC 5 - 50	
					QC 5 - 30	
					QC 5 - 40	
130 Packaging 3-1 - Stock - B4B	2 pcs	9/2/19	0.00	0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
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					Packaging 3 - 23 - B4B	

DAS

SEP 12 2019

40

9-89

NCC

DAS

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SEP 16 2019

9-89

				Packaging 3 - 24 - B4B		
				Packaging 3 - 25 - B4B		
				Packaging 3 - 26 - B4B		
				Packaging 3 - 27 - B4B		
				Packaging 3 - 28 - B4B		
				Packaging 3 - 29 - B4B		
				Packaging 3 - 30 - B4B		
				Packaging 3 - 31 - B4B		
				Packaging 3 - 32 - B4B		
				Packaging 3 - 33 - B4B	DAS	
				Packaging 3 - 34 - B4B	21	SEP 20 2019
				Packaging 3 - 35 - B4B	9-89	
				Packaging 3 - 36 - B4B		
135 DC - 1 - B4B	2 pcs	9/2/19	0.00 0.00	DC - 1 - B4B	DAS	SEP 20 2019
				DC - 2 - B4B	21	
140 QC 21 - FG	2 pcs	9/2/19	0.00 0.00	QC 21 - FG - 21	9-89	
				QC 21 - FG - 70		
				QC 21 - FG - 53	DAS	SEP 20 2019
Part Op 100 - Purchasing 1-Issue P/O METEC : _____ MANUFACTURE HT-500-CWA AS PER DWG 2-DART to supply Descriptions: decals -010P-70A and -010P-70B 3-DART to supply HT-500-CWA-010P-04 and HT-500-CWA-010P-05 control panel Certificate of conformity is required 110 - Receive & Inspect for Damage & Mat'l Certs 120 - QC6- All purchased or subcontracted products 121 - Small Fab - 1-Engrave P/N and S/N on placard using MARKTRONIC engraver. 2-Using double sided tape install placard on inside of lid. 122 - QC5- Inspect part completeness to step on W/O 130 - Identify as per dwg & Stock Location: <i>PG040</i> 135 - Document Control - Supply HT-500-CWA Customer packet 140 - QC21- Final Inspection - Work Order Release						

Job BOM

Part / Item	Component Name	Quantity	Operation	Container	
HT-500-CWA-010P-04	Panel Plate	2 (1 ea)	100-Purchasing		
HT-500-CWA-010P-05	Control Panel	2 pcs (1 ea)	100-Purchasing	<i>S154407</i>	PL
HT-500-CWA-010P-70A	Wash Emblem	2 pcs (1 ea)	100-Purchasing	<i>S150992</i>	PL
HT-500-CWA-010P-70B	Rinse Emblem	2 pcs (1 ea)	100-Purchasing	<i>S151002</i>	PL
HT-500-CWAP	Series 500 Compressor Wash System with Auxiliary Air Tank	2 Ea (1 ea)	100-Purchasing	<i>S212665</i>	
RB41011	Dart Tooling Placard, Aluminum	2 pcs (1 ea)	121-Small Fab - 2 - B4B	<i>S01040</i>	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	HT-500-CWA-010P-04	2	0	0
	HT-500-CWA-010P-05	2	4	0
	HT-500-CWA-010P-70A	2	11	0
	HT-500-CWA-010P-70B	2	11	0
	HT-500-CWAP	2	0	0
121-Small Fab - 2 - B4B	RB41011	2	281	0

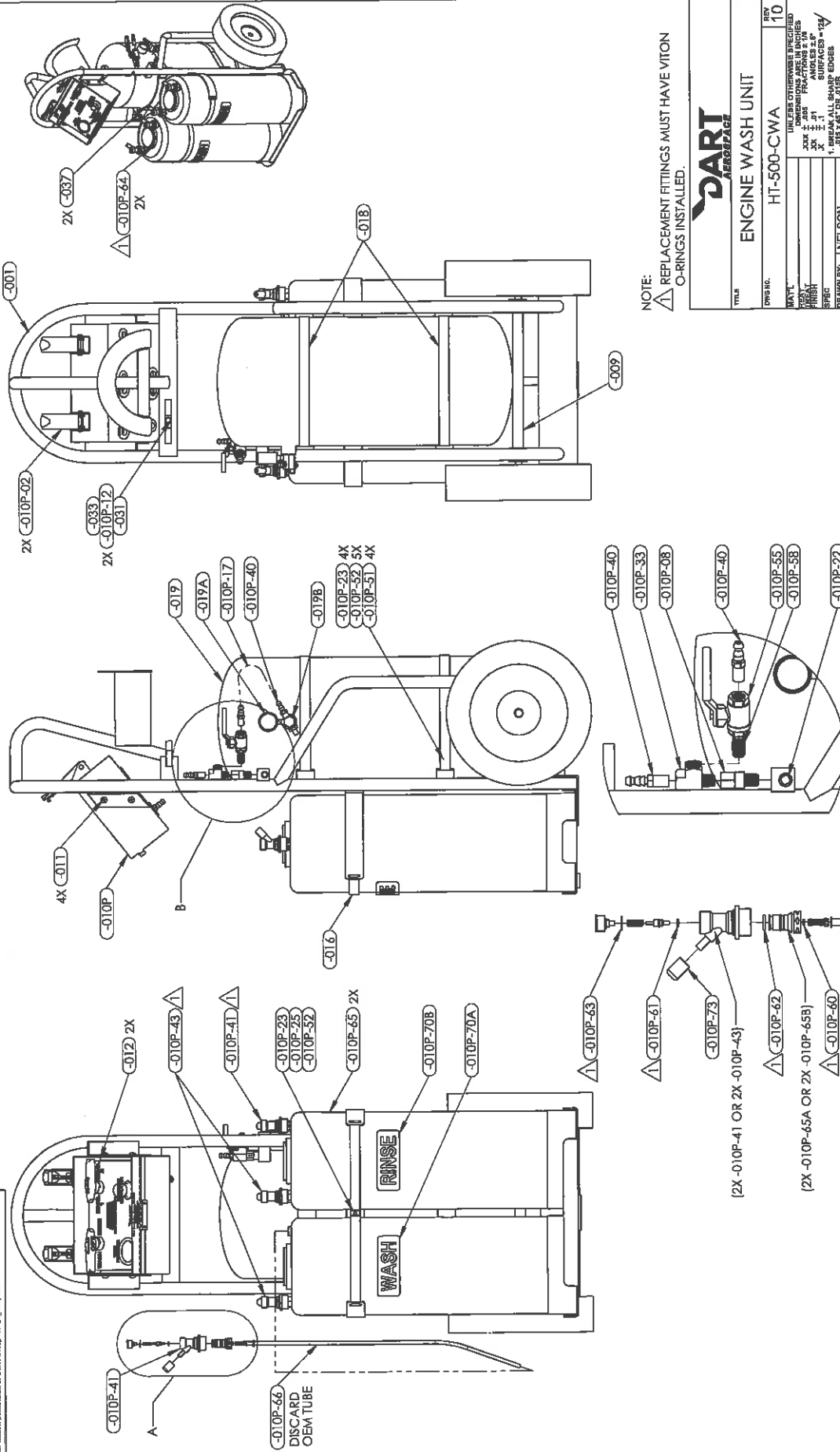
Part Specifications

Specifications could not be found.

Plex 7/4/19 10:22 AM dart.lussier.patrick

SEE ATTACHED DEVIATION

THIS diagram, specification, and complete contained herein is the sole property of
 the manufacturer. It is not to be reproduced, stored in a retrieval system, or
 transmitted in any form or by any means, electronic, mechanical, photocopying,
 recording, or by any information storage and retrieval system, without the
 written permission of the manufacturer.



NOTE:
 REPLACEMENT FITTINGS MUST HAVE VITON
 O-RINGS INSTALLED.

PART ENGINE WASH UNIT	
HT-500-CWA	REV 10
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
FRACTIONS ARE TO BE USED	
ANGLES ±.1°	
SURFACES ±.125"	
1. ALL DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE	
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DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____		DISPOSITION		AGAINST DEPARTMENT/PROCESS										
Part No. HT-300-CW & HT-500-CWA		Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐		Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐		Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐		Engineering ☐ Quality ☐ Other ☐				
NCR No. _____		Step #: _____		QTY Effective : _____		MRB (QSI042) Approval <i>M. Lee</i> April 11, 2018								
Date : _____		Description Work Order Deviation		Disposition										
		- Substitute ARROW R-162 Regulator with McMaster Carr 41735K11 Regulator (2-125 psi)		- This deviation is acceptable. - The fit, form and function of the engine wash kit will be as originally intended.										
		- Substitute PK-1611 Regulator Nut with McMaster Carr 41735K48 Mounting Ring Nut												
Root Cause		FAULT CATEGORY												
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐	Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐	Misread ☐	Turning Sequence ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐										
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐										
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐										
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐										
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐										
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐										
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐										
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐										
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐										
Past Expiry Date ☐	Manufacturing Process ☐													
Misidentified ☐	Past Due ☐													
OTHER : _____														



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **POHB043919**



Supplier: MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

Attention: Walz, Shigi

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB043919

PO Date: 7/4/19

Due Date: 9/2/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: 613-623-5200 Ext: 242
Fax: 613-632-1053
clavoie@dartaero.com

Via: Ground

Pynt Terms: Net 60

Freight Terms:

Special Comments:

Items													
Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	197273	RBW6005G00131-3GP			Multi-Purpose Trolley REV 5 with Deviation	Firmed	-	9/2/19	1 pcs	0 pcs	1 pcs	\$3,205.00/pcs	\$3,205.00
2	197274	RBW6005G01631-3GP			Dial Indicator Swash Plate Scissors Support REV A	Firmed	-	9/2/19	2 pcs	0 pcs	2 pcs	\$1,050.00/pcs	\$2,100.00
Line Item Note ** DART WILL SUPPLY MATERIAL FOR THIS TIME **													
3	197287	RBW6005G01531-3GP			Dial Indicator Main Rotor Damper Support REV 2	Firmed	-	9/2/19	2 pcs	0 pcs	2 pcs	\$900.00/pcs	\$1,800.00
4	197289	HT-500-CWAP			Series 500 Compressor Wash System with Auxiliary Air Tank REV 10 with Deviation	Firmed	-	9/2/19	2 Ea	0 Ea	2 Ea	\$4,862.00/Ea	\$9,724.00
5	197288	RB072610-H-00P			GROUND HANDLING WHEELS REV 4	Firmed	-	9/2/19	2 pcs	0 pcs	2 pcs	\$3,700.00/pcs	\$7,400.00
Grand Total:												\$24,229.00	

Plex 8/29/19 11:43 AM Dart.Lavoie.Chantal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB043919



Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

Plex 7/4/19 10:59 AM dart.lussier.patrick

Packing List

Bill Dart Aerospace Ltd.
To: 1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship Dart Aerospace Ltd.
To: 1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Shipment No: 25785
Shipment Date: 09-Sep-2019
Ship Via: Pick up at METEC
Order Number: 3975
Order Date: 07/04/2019

Customer Code: DART
Phone: (613) 632-9577
PO Number: POHB043919
Terms: Net 60 Days

Quantity								Job
Item	Open	Shipped	B/O	Canceled	Unit	Description	Revision	Number
4	2	2	0	0	EA	DART-HT-500-CWAP Engine Wash Unit drawing Rev. 10 with deviation	10-DEV	3975-04

RECEIVED

SEP 10 2019

DART AEROSPACE LTD.

The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.

Received In Good Order By
Dart Aerospace Ltd.



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

Quantity

Part Number

Part Name

Dwg
Rev.#

P.O. Number

2

DART-HT-500-CWAP

Engine Wash Unit
drawing Rev. 10 with deviation

10-
DEV

HB043919

MATERIAL: supplied by METEC

DAS
40
9-89

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

George Theoret

Vankleek Hill, September 9, 2019